

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



In the matter of:	)	Docket No. 14-BSTD-01
	)	
2016 Title 24, Part 6, Building Energy	)	RE: 2016 Building Energy Efficiency
Efficiency Standards Update	)	Standards
_____	)	

## **Notice of Lead Commissioner Workshop Update of Time Dependent Valuation and Life Cycle Cost Methodology**

Commissioner Andrew McAllister, the California Energy Commission's Lead Commissioner on Energy Efficiency will conduct a workshop to present the proposed revisions to the Time Dependent Valuation factors and the Life Cycle Cost methodology for the 2016 Building Energy Efficiency Standards on:

July 9, 2014  
9:00 a.m.

CALIFORNIA ENERGY COMMISSION  
1516 Ninth Street  
Hearing Room A  
Sacramento, California  
Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™  
(Instructions below)

### **Agenda**

The purpose of this workshop is to contribute to the pre-rulemaking effort for the 2016 Update to the California Building Energy Efficiency Standards by presenting the proposed 2016 Time Dependent Value (TDV) and Life Cycle Cost (LCC) Methodology. The TDV/LCC will be used to evaluate the proposed energy efficiency measures for the 2016 update.

Commissioner McAllister will consider input from this workshop together with other information from a prior workshop (April 29, 2014), reports generated by Energy Commission consultants, and docketed comments regarding the 2016 TDV/LCC Methodology.

## **Background**

The Warren-Alquist Act, enacted in 1976, mandated that the Energy Commission create and periodically update Building Energy Efficiency Standards (Standards) for the state of California (contained in the California Code of Regulations (CCR), Title 24, Part 6 (also known as the California Energy Code), and associated administrative regulations in Part 1, Chapter 10 (collectively referred to here as the Standards)). The Standards address newly constructed buildings as well as additions and alterations to existing buildings. The Standards have, in combination with appliance efficiency standards and utility-sponsored incentive programs, strongly contributed to California's per capita electricity consumption levels remaining relatively flat since the mid-1970s. The Energy Commission updates the Standards every three years.

The Warren-Alquist Act requires that energy efficiency building standards be "...cost effective, when taken in their entirety and when amortized over the economic life of the structure when compared with historic practice." The Energy Commission has used TDV LCC methodology as the cost-effectiveness calculation since the 2005 Standards Update.

The concept behind TDV is that energy efficiency measure savings should be valued differently depending on which hours of the year the savings occur, to better reflect the varying costs of energy to consumers, the utility system, and society. The TDV concept is included in the LCC by essentially subtracting the present value of the change in energy usage in TDV from the present value of the change in implementation costs (capital, installation, maintenance, and other potential implementation costs) for each energy efficiency measure and for the Standards taken as a whole. The TDV/LCC method encourages building designers to design buildings that perform better during periods of higher energy cost.

The most recent update, the 2013 Building Energy Efficiency Standards, will go into effect on July 1, 2014. Documents from the most recent 2013 TDV and LCC update are available at: [www.energy.ca.gov/title24/2013standards/prerulemaking/documents/index.html#02272012](http://www.energy.ca.gov/title24/2013standards/prerulemaking/documents/index.html#02272012).

As part of the pre-rulemaking activities for the 2016 Standards, the Energy Commission proposes to update the existing TDVs and LCC methodology. Energy Commission staff will work collaboratively with stakeholders on the recommended draft revisions.

At this workshop, the Energy Commission will present the research, analysis and justification for proposed revisions to the 2016 TDV and LCC methodology.

Workshop participants will have an opportunity to ask questions about this information and to make comments and suggestions.

## **Public Comment**

Oral comments: The Lead Commissioner will accept oral comments during the workshop. Comments may be limited to 5 minutes per speaker. Any comments will become part of the public record in this proceeding.

Written comments. Written comments should be submitted to the Dockets Unit by 4:00 p.m. on July 8, 2014. Written comments will be also accepted at the workshop; however, the Energy Commission may not have time to review them before the conclusion of the meeting. For additional information, see Standing Order re: Proceedings and Confidentiality Procedural Requirements for Filing, Service, and Docketing Documents with the Energy Commission, available at: [www.energy.ca.gov/commission/chief\\_counsel/docket.html](http://www.energy.ca.gov/commission/chief_counsel/docket.html).

Additionally, written comments may be posted to the Energy Commission's website for the proceeding. Please note that your written and oral comments, attachments, and associated contact information (e.g. your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

The Energy Commission encourages comments by e-mail. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf). Please include the docket number 14-BSTD-01 and indicate Update of Time Dependent Valuation and Life Cycle Cost Methodology in the subject line. Send comments to:

[docket@energy.ca.gov](mailto:docket@energy.ca.gov)

If you prefer, you may send a paper copy of your comments to:

California Energy Commission  
Dockets Office, MS-4  
Re: Docket No. 14-BSTD-01  
1516 Ninth Street  
Sacramento, CA 95814-5512

## **Public Adviser and Other Commission Contacts**

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact Alana Mathews at the Public Adviser's Office at [PublicAdviser@energy.ca.gov](mailto:PublicAdviser@energy.ca.gov) or (916) 654-4489 (toll free at (800) 822-6228).

If you have a disability and require assistance to participate, please contact Lou Quiroz at [lou.quiroz@energy.ca.gov](mailto:lou.quiroz@energy.ca.gov) or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Joe Loyer at [joe.loyer@energy.ca.gov](mailto:joe.loyer@energy.ca.gov) or (916) 654-4811.

## Remote Attendance

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If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

## Availability of Documents

Documents and presentations for this meeting will be available online at: [www.energy.ca.gov/title24/2016standards/prerulemaking/documents/](http://www.energy.ca.gov/title24/2016standards/prerulemaking/documents/).

May 6, 2014

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Andrew McAllister  
Energy Efficiency Lead Commissioner

List Serves:  
Building Standards  
Efficiency